



PTO/SB/06b (08-03)

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<b>Substitute for form 1449B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)	<b>Complete if Known</b>	
	Application Number	10/830,813
	Filing Date	July 30, 2003
	First Named Inventor	Ming Zheng Et. Al.
	Art Unit	1615
	Examiner Name	
Sheet 2 of 2	Attorney Docket Number	CL2181USNA

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	2
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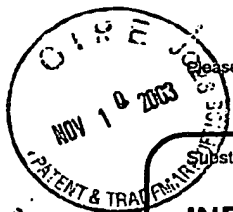
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

### Complete If Known

Application Number	10/630,613
Filing Date	July 30, 2003
First Named Inventor	Huang et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	CL2191 US NA

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BF		Mirkin, et al., A DNA-based method for rationally assembling nanoparticles into macroscopic materials, Nature, Vol. 382, pg. 607, 1998	
		Loweth et al., DNA-Based Assembly of Gold Nanocrystals, Angew. Chem., Int. Ed. Engl. 1999, Vol. 38, pp.1808-1812.	
		Zanchet et al., Electrophoretic Isolation of Discrete Au Nanocrystal/sn/DNA Conjugates, Nano Lett. 2001, 1, pp.32-35	
		Niemeyer et al., Nucleic Acid Supercoiling as a Means for Ionic Switching of DNA - Nanoparticles Networks, Chembiochem, 2001, 2, pp.260-264	
		Wei et al., Separation of nanometer gold particles by size exclusion chromatography, J. Chromatogr. A 836, 253-260, 1999	
		Wei et al., Shape Separation of nanometer Gold Particles by Size-Exclusion Chromatography, Anal. Chem. 71: pp. 2085-2091, 1999	
		Templeton et al., Water-Soluble, Isolable Gold Clusters Protected by Thiopropion and Coenzyme A Monolayers, Langmuir 15, pp. 66-76, 1999	
		Chen et al., Poly(N-vinylisobutylamide)-stabilized platinum nanoparticles: synthesis and temperature-responsive behavior in aqueous solution, Colloids and Surfaces A 169: pp. 107-116, 2000	
		Wuelfing et al., Nanometer Gold Clusters Protected by Surface-Bound Monolayers of Thiolated Poly(ethylene glycol) Polymer Electrolyte, J. Am. Chem. Soc. 120: 12696-12697, 1998	
		Chan et al., Quantum Dot Bioconjugates for Ultrasensitive Nonisotopic Detection, Science 281, 2016-2018, 1998	
		Mitchell et al., Programmed Assembly of DNA Functionalized Quantum Dots, J. Am. Chem. Soc. 121: 8122-8123, 1999	
		Napper, Steric Stabilization, J. Colloid. Interface. Sci. 58: pp. 390-407, 1977	
		Schaaff et al., Isolation and Selected Properties of a 10.4 kDa Gold: Glutathione Cluster Compound, J. Phys. Chem., 102, pp. 10643-10646 1998	
		Whetten et al., Nanocrystal Gold Molecules, Nanocrystal Gold Molecules, Adv. Mater. 8: 428-433, 1996	

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